

Application No. 10/585,014  
Reply to Office Action dated June 11, 2010

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# REMARKS

Reconsideration is requested in view of the above amendments and the following remarks. Claim 12 has been revised to reflect allowable claim 14 written in independent form, with editorial revisions. Claim 15, which is indicated as allowable, has been rewritten in independent form, with editorial revisions. Claim 17 has been revised to include the feature of previous claim 18. Claim 19 has been revised to depend from claim 12. Claims 9, 13 and 22 have been revised editorially. New claims 23-25 have been added. New claims 23, 24 track claims 13, 16, respectively but depend from claim 15. New claim 25 tracks previous claims 17 and 18 but depends from claim 15. Claims 14 and 18 have been canceled without prejudice. No new matter has been added. Claims 1-13, 15-17 and 19-25 are pending in the application.

## Claim Rejections – 35 USC § 112

Claims 16-18 are rejected under 35 USC 112, second paragraph, as being indefinite. Applicants respectfully traverse this rejection.

Applicants respectfully submit that dichotomy is a well-known method used in the art. One of skill in the art will understand how to take a rated transmission power as a base power value for calibration, and then use a dichotomy method to calculate the gain calibration weight of the transmission link as required by claim 16.

More specifically, in the present application, an objective is to obtain a gain calibration weight of the transmission link (hereinafter referred to as “objective value”), while making the current power to be a rated transmission power (hereinafter referred to as “base value”). This objective value should be in the range of [a,b], wherein one of a and b (e.g., a) makes the current power to be smaller than the base value, while the other one (e.g., b) makes the current power to be greater than the base value. As a result, according to the principle of dichotomy, if the value  $(a+b)/2$  makes the current power to be smaller than the base value, then  $a=(a+b)/2$ ; if the value  $(a+b)/2$  makes the current power to be greater than the base value, then  $b=(a+b)/2$ . This process is repeated until the value  $(a+b)/2$  helps make the current power to be equal to the base value or the difference between the current value and the base value is smaller than a predefined convergence error threshold. Thus, the objective value can be obtained through this process. In this process, one of skill in the art can easily choose the two parts: one of them is a value that

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makes the current power smaller than the base value, the other one is a value that makes the current power greater than the base value.

For at least the reasons above, Applicants respectfully submit that claim 16 is clear and definite. Withdrawal of the rejection is respectfully requested.

**Claim Rejections – 35 USC § 102**

Claim 12 is rejected under 35 USC § 102(b) as being anticipated by Rexberg et al. (US 2001/0016505). Claim 12 has been revised to reflect allowable claim 14 written in independent form and thus is not subject to this rejection. Applicants are not conceding the correctness of this rejection.

Claim 12 is rejected under 35 USC § 102(b) as being anticipated by Anderson et al. (US 6,157,343). Claim 12 has been revised to reflect allowable claim 14 written in independent form and thus is not subject to this rejection. Applicants are not conceding the correctness of this rejection.

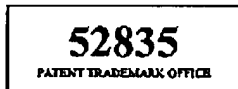
Claim 12 is rejected under 35 USC § 102(b) as being anticipated by Fudaba et al. (US 2005/0239419). Claim 12 has been revised to reflect allowable claim 14 written in independent form and thus is not subject to this rejection. Applicants are not conceding the correctness of this rejection.

**Claim Rejections – 35 USC § 103**

Claims 13 and 16 are rejected under 35 USC 103(a) as being unpatentable over Fudaba et al. in view of Azuma (US 6,806,844). Applicants respectfully traverse this rejection. Claims 13 and 16 now depend from claim 12, which reflects allowable claim 14 written in independent form, and thus are not subject to this rejection. Applicants are not conceding the correctness of this rejection.

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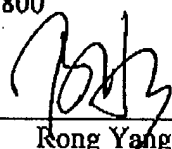
In view of the above, favorable reconsideration in the form of a notice of allowance is respectfully requested. If a telephone conference would be helpful in resolving any issues concerning this communication, please contact the undersigned attorney, Rong Yang, Limited Recognition No. L0279, at (612) 455-3816.



Respectfully submitted,

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Dated: September 13, 2010

By:   
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